BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK :CONSTRUCTION OF MARRIAGE COMMUNITY HALL CHIKKABETTAHALLI VILLAGE IN WARD NO-03 OF YELAHANKA ASSEMBLY CONSTITUENCY

MEASUREMENT SHEET - Third Final Bill

Agency	Sri H.V.Onkarappa Class-1 PWD Contractor,#27,Taralabalu Enclave,Near Police Station,Yelahanka,Bangalore-64 Recorded on 15-2-2019

Measurements		Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Remarks
Chainage									
From	To								
Item No.01		KSRRB M200-10.1. Clearing and grubbing road land including uprooting rank vegetation, grass, bushes, shrubs, saplings and trees girth up to 300 mm, removaL of stumps of trees cut earlier and disposal of unserviceable materials and stacking of serviceable material to be used or auctioned, including removal and disposal of top organic soil not exceeding 150 mm in thickness complete as per specifications. I. By Manual Means: A. In area of light jungle. MORTH Specification No. 201							
		Qty recorded in First Bill						**0.61**	✓
Item No.02		KSRRB 300-Compaction KSRRB 300-58. Compaction of original ground with maximum of 6 passes of 8 to 10 tonnes power roller including filling in depression occuring during rolling including cost of all labour, HOM of machinery complete as per specifications. MORTH / Chapter 3							
		Qty recorded in First Bill						**183**	✓
Item No. 03		KSRB 2-1.1 : Earthwork in surface excavation in ordinary soil for levelling and lowering the ground manually (other than foundation of buildings, culverts, road drains and trenches of pipe lines and cables) and removing the excavated stuff to a distance not exceeding 50m and lift upto 1.5m, excavated surface levelled and neatly dressed, disposed earth to be levelled after breaking of clods and neatly dressed as per specifications. specification. No. KBS 2.1(a) / 2.3.1							
		Qty recorded in First Bill						**183**	✓
Item No.05		Providing and laying in position plain cement concrete of mix 1:4:8(M7.5)with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregtes @ 0.57cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM of machinery, curing complete as per specifications and as per the directions of the Engineer-in-charge of the work .							
		Qty recorded in First Bill						**22.17**	✓
Item No. 06		KSRB 4.2.7 : Providing and laying in position reinforced cement concrete of design mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70cum and fine aggregtes @ 0.47cum, with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in ground floor level for roof slabs, staircase, lintles and beams retaining walls, return walls, walls (any thickness) including attached pilasters, columns, ,pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc., including cost of all materials, labour, HOM of machinery, curing, complete but excluding cost of reinforcement as per specifications. Specification No. KBS 4.1, 4.6							
		Qty recorded in First Bill						**126.34**	✓

CONTRACTOR PMC ASSISTANT ENGINEER ASSISTANT EXECUTIVE ENGINEER

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK :CONSTRUCTION OF MARRIAGE COMMUNITY HALL CHIKKABETTAHALLI VILLAGE IN WARD NO-03 OF YELAHANKA ASSEMBLY CONSTITUENCY

MEASUREMENT SHEET - Third Final Bill

Agency	Sri H.V.Onkarappa Class-1 PWD Contractor,#27,Taralabalu Enclave,Near Police Station,Yelahanka,Bangalore-64

Measurements	Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Remarks
Chainage								
From / To								
Item No. 08	KSRB 5.2-2 : Providing and constructing granite / trap / basalt size stone masonry in foundation with cement mortar 1:8, stone hammerd dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13							
	Qty recorded in First Bill						**126.34**	✓
Item No. 09	Providing and laying in position reinforced cement concrete of design mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.70cum and fine aggregates @ 0.47cum, with superplastisiser @ 3lts confirming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in Ground Floor Level for Roof Slabs, Staircase, Lintels and Beams, retaining walls, return walls, Walls (any thickness) including attached pilasters, columns, pillars, posts, struts, buttresses, string or lacing courses, Parapets, Coping, bed blocks, anchor blocks, Plain Window Cills, Fillets etc., including cost of all materials, labour, HOM of machinery, curing, complete as per specifications. (Ground Floor)							
	Qty recorded in First Bill						**104.0**	
	Qty recorded in Second Bill						**3.2**	
	Total Quantity						**107.1**	✓
Item No 10	Providing and laying in position reinforced cement concrete of design mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.70cum and fine aggregates @ 0.47cum, with superplastisiser @ 3lts confirming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in Ground Floor Level for Roof Slabs, Staircase, Lintels and Beams, retaining walls, return walls, Walls (any thickness) including attached pilasters, columns, pillars, posts, struts, buttresses, string or lacing courses, Parapets, Coping, bed blocks, anchor blocks, Plain Window Cills, Fillets etc., including cost of all materials, labour, HOM of machinery, curing, complete as per specifications. (First Floor)							
	Qty recorded in Second Bill						**74.81**	✓
Item No 11	Providing and laying in position reinforced cement concrete of design mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.70cum and fine aggregates @ 0.47cum, with superplastisiser @ 3lts confirming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in Ground Floor Level for Roof Slabs, Staircase, Lintels and Beams, retaining walls, return walls, Walls (any thickness) including attached pilasters, columns, pillars, posts, struts, buttresses, string or lacing courses, Parapets, Coping, bed blocks, anchor blocks, Plain Window Cills, Fillets etc., including cost of all materials, labour, HOM of machinery, curing, complete as per specifications. (second Floor)							
	Qty recorded in Second Bill						**89.15**	✓
Item No. 13	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for foundations, footings, bases of Columns for mass concrete including cost of all materials, labour complete as per specificaitons and as per the directions of the Engineer-in-charge of the work .(GROUND FLOOR)							

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BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK :CONSTRUCTION OF MARRIAGE COMMUNITY HALL CHIKKABETTAHALLI VILLAGE IN WARD NO-03 OF YELAHANKA ASSEMBLY CONSTITUENCY

MEASUREMENT SHEET - Third Final Bill

Agency: **Sri H.V.Onkarappa Class-1 PWD Contractor,#27,Taralabalu Enclave,Near Police Station,Yelahanka,Bangalore-64**

Measurements	Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Remarks
Chainage From To								
	Qty recorded in First Bil						**234.85**	
Item No. 14	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for sides and soffits of beams, beam haunchings, cantilever girders, bressumers and lintels not exceeding 1m in depth including cost of all materials, labour complete as per specificaitons and as per the directions of the Engineer-in-charge of the work (GROUND FLOOR)							
	Qty recorded in First Bil						**370.57**	
	Qty recorded in Second Bil						**42.35**	
						Total Quantity	**412.93**	
Item No 15	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for sides and soffits of beams, beam haunchings, cantilever girders, bressumers and lintels not exceeding 1m in depth including cost of all materials, labour complete as per specificaitons and as per the directions of the Engineer-in-charge of the work (First Floor)							
	Qty recorded in Second Bill						**276.226**	
Item No 16	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for sides and soffits of beams, beam haunchings, cantilever girders, bressumers and lintels not exceeding 1m in depth including cost of all materials, labour complete as per specificaitons and as per the directions of the Engineer-in-charge of the work (second Floor)							
	Qty recorded in Second Bill						**297.16**	
Item No. 18	Providing and removing centering, shuttering, strutting, propping etc., for columns, pillars, piers, abutments, post and struts, square / rectangular / polygon in plan including cost of all materials, labour complete as per specifications. Ground floor							
	Qty recorded in First Bil						**195.0**	
Item No 19	Providing and removing centering, shuttering, strutting, propping etc., for columns, pillars, piers, abutments, post and struts, square / rectangular / polygon in plan including cost of all materials, labour complete as per specifications. (First Floor)							
	Qty recorded in Second Bill						**99.1**	
Item No 20	Providing and removing centering, shuttering, strutting, propping etc., for columns, pillars, piers, abutments, post and struts, square / rectangular / polygon in plan including cost of all materials, labour complete as per specifications. (second Floor)							
	Qty recorded in Second Bill						**85.5**	
Item No. 22	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for flat surface such as suspended floors, roofs, landings, balconies and likes, thickness upto 200 mm including cost of all materials, labour complete as per specificaiton and as per the directions of the Engineer-in-charge of the work . (GROUND FLOOR)							
	Qty recorded in First Bil						**302.96**	

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MEASUREMENT SHEET - Third Final Bill

Agency	Sri H.V.Onkarappa Class-1 PWD Contractor,#27,Taralabalu Enclave,Near Police Station,Yelahanka,Bangalore-64							
Measurements	Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Remarks
Chainage From To								
Item No 23	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for flat surface such as suspended floors, roofs, landings, balconies and likes, thickness upto 200 mm including cost of all materials, labour complete as per specificaiton and as per the directions of the Engineer-in-charge of the work .(First Floor)							
	Qty recorded in Second Bill						**275.63**	✓
Item No. 26	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for sides and soffits of beams, beam haunchings, cantilever girders, bressumers and lintels not exceeding 1m in depth including cost of all materials, labour complete as per specificaitons. ground floor							
	Qty recorded in First Bil						**30.04**	✓
Item No 27	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for sides and soffits of beams, beam haunchings, cantilever girders, bressumers and lintels not exceeding 1m in depth including cost of all materials, labour complete as per specificaitons. (First Floor)							
	Qty recorded in Second Bill						**28.36**	✓
Item No 28	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for sides and soffits of beams, beam haunchings, cantilever girders, bressumers and lintels not exceeding 1m in depth including cost of all materials, labour complete as per specificaitons.(second Floor)							
	Qty recorded in Second Bill						**35.58**	✓
Item No. 30	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for Stairs (excluding landing) except spiral staircase including cost of all materials, labour complete as per specificaiton and as per the directions of the Engineer-in-charge of the work (GROUND FLOOR)							
	Qty recorded in First Bil						**66.34**	✓
Item No 31	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for Stairs (excluding landing) except spiral staircase including cost of all materials, labour complete as per specificaiton and as per the directions of the Engineer-in-charge of the work (First Floor)							
	Qty recorded in Second Bill						**14.63**	✓
Item No 32	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for Stairs (excluding landing) except spiral staircase including cost of all materials, labour complete as per specificaiton and as per the directions of the Engineer-in-charge of the work (second Floor)							
	Qty recorded in Second Bill						**14.63**	✓

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BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK :CONSTRUCTION OF MARRIAGE COMMUNITY HALL CHIKKABETTAHALLI VILLAGE IN WARD NO-03 OF YELAHANKA ASSEMBLY CONSTITUENCY

MEASUREMENT SHEET - Third Final Bill

Agency: Sri H.V.Onkarappa Class-1 PWD Contractor,#27,Taralabalu Enclave,Near Police Station,Yelahanka,Bangalore-64

Measurements / Chainage From	To	Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Remarks
Item No. 33		Providing and removing centering, shuttering, strutting, propping etc., for chajjas, corbels etc. , including edges including cost of all materials, labour complete as per specificaiton and as per the directions of the Engineer-in-charge of the work . (GROUND FLOOR)							
		Qty recorded in First Bil						**28.17**	✓
Item No 34		Providing and removing centering, shuttering, strutting, propping etc., for chajjas, corbels etc. , including edges including cost of all materials, labour complete as per specificaiton and as per the directions of the Engineer-in-charge of the work (First Floor)							
		Qty recorded in Second Bill						**9.36**	✓
Item No 35		Providing and removing centering, shuttering, strutting, propping etc., for chajjas, corbels etc. , including edges including cost of all materials, labour complete as per specificaiton and as per the directions of the Engineer-in-charge of the work (second Floor)							
		Qty recorded in Second Bill						**25.66**	✓
Item No.37		Providing and laying in position reinforced cement concrete of design mix M20 with OPC cement @ 27.20kgs, with 12mm and down size graded granite metal coarse aggregates @0.5865cum and fine aggregtes @ 0.391cum, with superplastisiser @0.225lts, machine mixed, well compacted for plain chajja of 8.5 cms. average thickness, upto First Floor level, including cost of all materials, labour, HOM of machinery, finishing, curing, complete as per specifications and as per the directions of the Engineer-in-charge of the work (GROUND FLOOR)							
		Qty recorded in First Bil						**21.78**	✓
Item No 38		Providing and laying in position reinforced cement concrete of design mix M20 with OPC cement @ 27.20kgs, with 12mm and down size graded granite metal coarse aggregates @0.5865cum and fine aggregtes @ 0.391cum, with superplastisiser @0.225lts, machine mixed, well compacted for plain chajja of 8.5 cms. average thickness, upto First Floor level, including cost of all materials, labour, HOM of machinery, finishing, curing, complete as per specifications and as per the directions of the Engineer-in-charge of the work (First Floor)							
		Qty recorded in Second Bill						**7.20**	✓
Item No 39		Providing and laying in position reinforced cement concrete of design mix M20 with OPC cement @ 27.20kgs, with 12mm and down size graded granite metal coarse aggregates @0.5865cum and fine aggregtes @ 0.391cum, with superplastisiser @0.225lts, machine mixed, well compacted for plain chajja of 8.5 cms. average thickness, upto First Floor level, including cost of all materials, labour, HOM of machinery, finishing, curing, complete as per specifications and as per the directions of the Engineer-in-charge of the work (second Floor)							
		Qty recorded in Second Bill						**19.83**	✓

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MEASUREMENT SHEET - Third Final Bill

Agency	Sri H.V.Onkarappa Class-1 PWD Contractor,#27,Taralabalu Enclave,Near Police Station,Yelahanka,Bangalore-64

Measurements	Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Remarks
Chainage								
From To								
Item No.41	Providing T.M.T bars Fe 500 steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications and as per the directions of the Engineer-in-charge of the work . (GROUND FLOOR)							
	Qty recorded in First Bil						**28.52**	
	Qty recorded in Second Bil						**0.60**	
						Total Quantity	**29.12**	
Item No 42	Providing T.M.T bars Fe 500 steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications and as per the directions of the Engineer-in-charge of the work . (First Floor)							
	Qty recorded in Second Bill						**18.64**	
						Total Qty	18.64	
Item No 43	Providing T.M.T bars Fe 500 steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications and as per the directions of the Engineer-in-charge of the work .(second Floor)							
	Qty recorded in Second Bill						**17.847**	
Item No.45	Providing and constructing load beraing wall with solid concrete blocks of size 400x200x200mm having block density not less than 1800 kg/m3 having a minimum average compressive strength of 5.00 N/mm2 confirming to I.S 2185 (Part I) : 2005 and constructed with CM 1:4, as per IS 2572:2005 including cost of all materials, labour charges, scaffolding, curing hire charges of machineries etc. complete as per specifications. Ground floor							
	Qty recorded in First Bil						**201.45**	
Item No 46	Providing and constructing load bearing wall with solid concrete blocks of size 400x200x200mm having block density not less than 1800 kg/m3 having a minimum average compressive strength of 5.00 N/mm2 confirming to I.S 2185 (Part I) : 2005 and constructed with CM 1:4, as per IS 2572:2005 including cost of all materials, labour charges, scaffolding, curing hire charges of machineries etc. complete as per specifications.(First Floor)							
	Qty recorded in Second Bill						**245.46**	

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MEASUREMENT SHEET - Third Final Bill

Agency	Sri H.V.Onkarappa Class-1 PWD Contractor,#27,Taralabalu Enclave,Near Police Station,Yelahanka,Bangalore-64							
Measurements / Chainage From To	Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Remarks
Item No 47	Providing and constructing load beraing wall with solid concrete blocks of size 400x200x200mm having block density not less than 1800 kg/m3 having a minimum average compressive strength of 5.00 N/mm2 confirming to I.S 2185 (Part I) : 2005 and constructed with CM 1:4, as per IS 2572:2005 including cost of all materials, labour charges, scaffolding, curing hire charges of machineries etc. complete as per specifications. (second Floor)							
	Qty recorded in Second Bill						**469.0325**	
Item No 49	Providing and constructing load beraing wall with solid concrete blocks of size 400x150x200mm having block density not less than 1800 kg/m3 having a minimum average compressive strength of 5.00 N/mm2 confirming to I.S 2185 (Part I) : 2005 and constructed with CM 1:4, as per IS 2572:2005 including cost of all materials, labour charges, scaffolding, curing hire charges of machineries etc. complete as per specifications.							
	Qty recorded in Second Bill						**96**	
Item No.50	Providing and constructing non-load bearing wall with solid concrete blocks of size 400X100X200 having a block density not less than 1800kg/m3 having a minimum average compressive strength of 4.00 N/mm2 conforming to I.S : 2185 (Part 1) : 2005 and constructed with CM 1:4, as per IS 2572:2005 including cost of all materials, labour charges, scaffolding, curing, hire chargesof machineries etc., complete as per specifications and as per the directions of the Engineer-in-charge of the work (GROUND FLOOR)							
	Qty recorded in First Bil						**47.13**	
Item No 51	Providing and constructing non-load bearing wall with cement concrete solid blocks with compressive strength not less than 3.5 Newton per Sqmm with cement mortar 1:4 (quoin, Jamb, closer blocks) with blocks of size 40x10x20cms. (lxbxh) conforming to I.S: 2185/1965 in superstructure including cost of materials, labour charges, scaffolding, curing complete as per specifications. (First floor)							
	Qty recorded in Second Bill						**14.85**	
Item No.52	KSRB 4-1.3 : Providing and laying in position plain cement concrete of mix 1:4:8 with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregates @ 0.57cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2. (P.No.12, I.No. 4.3 of PWD SR 2015-16)							
	Qty recorded in First Bil						**45.38**	
Item No 53	KSRB 4-1.3 : Providing and laying in position plain cement concrete of mix 1:4:8 with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregates @ 0.57cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2. (P.No.12, I.No. 4.3 of PWD SR 2015-16)(First floor)							

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NAME OF WORK :CONSTRUCTION OF MARRIAGE COMMUNITY HALL CHIKKABETTAHALLI VILLAGE IN WARD NO-03 OF YELAHANKA ASSEMBLY CONSTITUENCY

MEASUREMENT SHEET - Third Final Bill

Agency		Sri H.V.Onkarappa Class-1 PWD Contractor,#27,Taralabalu Enclave,Near Police Station,Yelahanka,Bangalore-64							
Measurements		Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Remarks
Chainage									
From	To								
		Qty recorded in Second Bill						41.2185	
Item No 54		KSRB 4-1.3 : Providing and laying in position plain cement concrete of mix 1:4:8 with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregates @ 0.57cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2. (P.No.12, I.No. 4.3 of PWD SR 2015-16)(Second floor)_							
		Qty recorded in Second Bill						**28.27**	
Item No 81		Providing and fixing M.S.grill work for windows and ventilators using M.S. flats, or M.S. square rods, or combination of M.S. flats and square rods as per approved design, drawing including cutting steel sections and welding the same to required pattern with a coat of red lead primer, cost of materials, fixtures, labour and HOM of machinery complete as per specifications., - Ground floor							
		Qty recorded in Second Bill						**971.52**	
Item No 82		Providing and fixing M.S.grill work for windows and ventilators using M.S. flats, or M.S. square rods, or combination of M.S. flats and square rods as per approved design, drawing including cutting steel sections and welding the same to required pattern with a coat of red lead primer, cost of materials, fixtures, labour and HOM of machinery complete as per specifications., - First floor							
		Qty recorded in Second Bill						**982.56**	
Item No 83		Providing and fixing M.S.grill work for windows and ventilators using M.S. flats, or M.S. square rods, or combination of M.S. flats and square rods as per approved design, drawing including cutting steel sections and welding the same to required pattern with a coat of red lead primer, cost of materials, fixtures, labour and HOM of machinery complete as per specifications., Second floor							
		Qty recorded in Second Bill						**800.1125**	
E1		KSRB 2.2.6 : Excavation 1.5m and above in width in hard rock by chiselling and / or wedging, where blasting is prohibited for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5 m. in depth stacking the excavated stuff clear from the edge of excavation with lead upto 50m including cost of labour complete as per specifications.							
							Total	**517.5218**	
E2		Pg No.147 Item No.19.60 KSRRB M300-53. Construction of embankment with approved material Gravel/Murrum with all lifts and leads, transporting to site, spreading, grading to required slope and compacting to meet requirement Table 300- 2 complete as per specifications.(which includes cost of gravel / murrum, watering charges & compaction by vibratory roller) MORTH Specification No. 305.							
							Total	**410.23157**	

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MEASUREMENT SHEET - Third Final Bill

Agency	Sri H.V.Onkarappa Class-1 PWD Contractor,#27,Taralabalu Enclave,Near Police Station,Yelahanka,Bangalore-64 Recorded on. 15-2-2019

Measurements		Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Remarks
Chainage									
From	To								
	E3	Pg No.147 Item No.19.60 KSRRB M300-53. Construction of embankment with approved material Gravel/Murrum with all lifts and leads, transporting to site, spreading, grading to required slope and compacting to meet requirement Table 300- 2 complete as per specifications.(which includes cost of gravel / murrum, watering charges & compaction by vibratory roller) MORTH Specification No. 305.							
							Total	**254.16928**	
	E4	Lead for disposal of earth shall be payable at Carriage rates (Lead & Lift) by mechanical means including loading and unloading up to 15kms.(Refer Table. Page No.139)							
							Total	517.5218	
	E5	Providing and laying in Mat for RCC roof at below the steel for avoiding concrete cement slurry as per the requirement of Engineer incharge.(Data Rates)							
		Total						**71.01886**	
	E6	Providing and constructing non-load bearing wall with cement concrete solid blocks with compressive strength not less than 3.5 Newton per Sqmm with cement mortar 1:4 (quoin, Jamb, closer blocks) with blocks of size 40x10x20cms. (lxbxh) conforming to I.S: 2185/1965 in superstructure including cost of materials, labour charges, scaffolding, curing complete as per specifications. (Second floor)							
		Total						**72.075**	
	E7	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for flat surface such as suspended floors, roofs, landings, balconies and likes, thickness upto 200 mm including cost of all materials, labour complete as per specificaiton and as per the directions of the Engineer-in-charge of the work .(second Floor) 0 to 6m							
		Total						**388.013**	

CONTRACTOR PMC ASSISTANT ENGINEER ASSISTANT EXECUTIVE ENGINEER

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK :CONSTRUCTION OF MARRIAGE COMMUNITY HALL CHIKKABETTAHALLI

MEASUREMENT SHEET - Third Final Bill

Agency — **Sri H.V.Onkarappa Class-1 PWD Contractor,#27,Taralabalu Enclave,Near Police Station,Yelahanka,Bangalore-64**

Measurements / Chainage From	To	Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Remarks
Item No 62		Providing and fixing granite flooring in combination of 19mm thick (Avg) gang saw water cut LAKARED granite with 86% and with 14% of 19mm thicl (avg) Black granite in CM 1:4 proportion with a coat of rough plastering using CM 1:4, cut to required shape, pattern with paper joints, finished with cement mortar using white cement and colour pigments to match the colour of slab making through jointing with sealant, grooves in joints including cost of curing etc., complete including cost and conveyance of all materials, labour for all items of work, HOM of equipment etc., complete as per specification.Ground floor							
		Ground Floor							
		Dining hall	Sqm	1	11.33	11.66		132.1	
		Door jamb bottom	Sqm	1	2	0.25		0.5	
			Sqm	1	1.73	0.25		0.4325	
			Sqm	1	2.18	0.25		0.5	
			Sqm	2	0.9	0.25		0.5	
		Deduction							
				4	0.71	-0.33		-0.9	
		First Floor							
		Stage	Sqm	1	5.8	8.2		47.56	
		Rooms		2	2.9	2.95		17.11	
		office room		1	2.8	4.25		11.9	
		Staircase opposite		1	8.1	3.15		25.515	
		Hall		1	14.8	11.4		168.72	
		corner		1	2.25	1.2		2.7	
		Door Jamb		3	0.25	0.90		0.675	
		Entrancre		1	0.25	1.95		0.4875	
		Deduction							
				6	0.71	-0.33		-1.4058	
							Total Quantity	**406.4**	
Item No 63		Providing and fixing granite flooring in combination of 19mm thick (Avg) gang saw water cut LAKARED granite with 86% and with 14% of 19mm thicl (avg) Black granite in CM 1:4 proportion with a coat of rough plastering using CM 1:4, cut to required shape, pattern with paper joints, finished with cement mortar using white cement and colour pigments to match the colour of slab making through jointing with sealant, grooves in joints including cost of curing etc., complete including cost and conveyance of all materials, labour for all items of work, HOM of equipment etc., complete as per specification.Second floor							
		Second Floor							
		Room 1	Sqm	1	3.4	2.93		10.0	
			Sqm	1	1.94	1		1.9	
		Room 2	Sqm		3.4	2.93		10.0	
			Sqm	1	1.94	1		1.9	
		Room3	Sqm	1	4.3	3.4		14.6	
			Sqm	1	1.7	1.75		3.0	

CONTRACTOR

PMC

ASSISTANT ENGINEER

ASSISTANT EXECUTIVE ENGINEER

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK :CONSTRUCTION OF MARRIAGE COMMUNITY HALL CHIKKABETTAHALLI

MEASUREMENT SHEET - Third Final Bill

Agency — **Sri H.V.Onkarappa Class-1 PWD Contractor,#27,Taralabalu Enclave,Near Police Station,Yelahanka,Bangalore-64**

Measurements Chainage From	To	Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Remarks
		Corridor	Sqm	1	5.65	1.88		10.6	
		Staircase Opposite side	Sqm	1	3.4	2.05		7.0	
		Room4	Sqm	1	3.4	2.95		10.0	
					1.4	1		1.4	
		Room5	Sqm	1	3.4	4.35		14.8	
				1	1.4	1		1.4	
		Room6	Sqm	1	3.4	4.4		15.0	
					1.4	1		1.4	
		Room7	Sqm	1	2.4	2.9		7.0	
			Sqm		2.4	1		2.4	
		Corridor	Sqm					0.0	
			Sqm	1	5.9	1.7		10.0	
			Sqm	1	11.55	4.55		52.6	
			Sqm	1	16	1.65		26.4	
		Door Jamb Bottom	Sqm	7	0.9	0.2		1.3	
			Sqm	1	2.93	0.25		0.7	
							Total Quantity	**203.3**	
Item No 64		Providing and laying Hassan Green granite flooring for staircase, treads and rises using pre polished 20 mm thick water cut green Granite slab laid over existing cement concrete bed in CM 1:3, average 20mm thick including full rounding for nosing , cutting 3 line grooves not more than 2 mm wide for antiskidding, curing etc.,complete., (Sl. No. 4.51, Page No. 109), (SR 2016-2017),ground floor							
		Staircase							
		Tread	Sqm	17	1.15	0.3		5.9	
		Riser	Sqm	20	1.15	0.15		3.5	
		Landing	Sqm	2	1.10	1.2		2.6	
							Total Quantity	**11.96**	
Item No 65		Providing and laying Hassan Green granite flooring for staircase, treads and rises using pre polished 20 mm thick water cut green Granite slab laid over existing cement concrete bed in CM 1:3, average 20mm thick including full rounding for nosing , cutting 3 line grooves not more than 2 mm wide for antiskidding, curing etc.,complete., (Sl. No. 4.51, Page No. 109), (SR 2016-2017), First floor							
		Staircase							
		Tread	Sqm	17	1.15	0.3		5.9	
		Riser	Sqm	20	1.15	0.15		3.5	
		Landing	Sqm	2	1.10	1.2		2.6	
							Total Quantity	**11.96**	

CONTRACTOR PMC ASSISTANT ENGINEER ASSISTANT EXECUTIVE ENGINEER

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK :CONSTRUCTION OF MARRIAGE COMMUNITY HALL CHIKKABETTAHALLI

MEASUREMENT SHEET - Third Final Bill

Agency — **Sri H.V.Onkarappa Class-1 PWD Contractor,#27,Taralabalu Enclave,Near Police Station,Yelahanka,Bangalore-64**

Measurements		Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Remarks
Chainage									
From	To								
Item No 66		Providing and laying Hassan Green granite flooring for staircase, treads and rises using pre polished 20 mm thick water cut green Granite slab laid over existing cement concrete bed in CM 1:3, average 20mm thick including full rounding for nosing , cutting 3 line grooves not more than 2 mm wide for antiskidding, curing etc.,complete., (Sl. No. 4.51, Page No. 109), (SR 2016-2017), Second Floor							
		Staircase							
		Tread	Sqm	17	1.15	0.3		5.9	
		Riser	Sqm	20	1.15	0.15		3.5	
		Landing	Sqm	2	1.10	1.2		2.6	
							Total Quantity	**11.96**	
Item No 70		Providing and fixing 20mm thick gang saw water cut LAKARED granite in CM 1:4 proportion with a coat of rough plastering using CM 1:4, cut to required shape, pattern with paper joints, finished with cement mortar using white cement and colour pigments to match the colour of slab making through jointing with sealant, grooves in joints including cost of curing etc., complete including cost and conveyance of all materials, labour for all items of work, HOM of equipment etc., complete as per specification ,Ground floor,First Floor							
		Wall Cladding							
		Ground Floor							
		Kitchen	Sqm	1	31.20		2.10	65.52	
		Gas bank	Sqm	1	9.20		2.10	19.32	
		Store Room	Sqm	1	11.8		2.10	24.78	
		Dinning Hall	Sqm	1	45.73		2.10	96.033	
		Lobby	Sqm	1	13.70		2.10	28.77	
		Staircase down	Sqm	1	2.40		2.00	4.8	
			Sqm	1	6.2		1.10	6.82	
		Door Jamb	Sqm	11	0.25		2.10	5.775	
		Window Jamb	Sqm						
		W	Sqm	20	0.15		1.63	4.89	
		W	Sqm	10	0.15		1.72	2.58	
		W1	Sqm	8	0.15		1.630	1.956	
		W1	Sqm	4	0.15		1.10	0.66	
		COLUMN	Sqm	8	0.33		2.100	5.544	
			Sqm	8	0.71		2.10	11.928	
		Staicase	Sqm	1	10.10		2.100	21.21	
		Deduction							
		D	Sqm	1	2.00		-2.100	-4.2	
		D1	Sqm	1	1.73		-2.10	-3.633	
		D2	Sqm	1	2.18		-2.100	-4.578	
		D3	Sqm	2	0.90		-2.100	-3.78	
		W	Sqm	10	1.72		-1.630	-28.036	
		W1	Sqm	4	1.1		-1.63	-7.172	
		Wall Cladding							
		First Floor							
		Lobby	Sqm	1	31.20		2.10	65.52	
		Office	Sqm	1	14.9		2.10	31.29	
		Hall	Sqm	1	32.30		2.10	67.83	

CONTRACTOR PMC ASSISTANT ENGINEER ASSISTANT EXECUTIVE ENGINEER

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK :CONSTRUCTION OF MARRIAGE COMMUNITY HALL CHIKKABETTAHALLI

MEASUREMENT SHEET - Third Final Bill

Agency — **Sri H.V.Onkarappa Class-1 PWD Contractor,#27,Taralabalu Enclave,Near Police Station,Yelahanka,Bangalore-64**

Measurements		Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Remarks
Chainage									
From	To								
		Room	Sqm	2	12.2		2.10	51.24	
		Stage	Sqm	1	25.52		2.10	53.59	
		Column	Sqm	6	0.71		2.10	8.946	
			Sqm	6	0.33		2.1	4.16	
		Entance Door Jamb	Sqm	2	0.3		2.10	1.26	
		Door jamb	Sqm	6	0.25		2.10	3.15	
		Window Jamb	Sqm	30	0.15		1.63	7.335	
		Window Jamb	Sqm	15	0.15		1.72	3.87	
		Staircase	Sqm	1	10.1		2.10	21.21	
		Skirting							
		Stage	Sqm	1	8.20		0.30	2.46	
		Deduction							
		W	Sqm	15	1.72		-1.63	-42.05	
		D	Sqm	3	0.90		-2.10	-5.67	
		D	Sqm	2	0.70		-2.10	-2.94	
		Entrance Door	Sqm	1	1.95		-2.10	-4.10	
							Total Quantity	**516.29**	

Item No 71 — Providing and fixing 20mm thick gang saw water cut LAKARED granite in CM 1:4 proportion with a coat of rough plastering using CM 1:4, cut to required shape, pattern with paper joints, finished with cement mortar using white cement and colour pigments to match the colour of slab making through jointing with sealant, grooves in joints including cost of curing etc., complete including cost and conveyance of all materials, labour for all items of work, HOM of equipment etc., complete as per specification ,Second floor

		Wall Cladding							
		Second Floor							
		Hall	Sqm	1	50.90		2.10	106.89	
		Column	Sqm	10	0.33		2.1	6.93	
			Sqm	10	0.77		2.1	16.17	
		Door Jamb	Sqm	2	0.25		2.1	1.05	
		Window Jamb	Sqm	4	1.63		0.15	0.98	
			Sqm	4	1.72		0.15	1.03	
		Staircase	Sqm	1	10.1		2.1	21.2	
		Skirting							
		Room	Sqm	2	12.80		0.10	2.6	
		Room	Sqm	3	15.50		0.10	4.7	
		Room	Sqm	1	15.1		0.10	1.5	
		Room	Sqm	1	12.8		0.10	1.3	
		Corridor	Sqm	1	13.7		0.1	1.4	
		Deduction							
		D1	Sqm	6	0.9		-2.1	-11.3	
		Window	Sqm	2	1.73		-1.63	-5.6	
		D1	Sqm	6	0.9		-2.1	-11.3	
		Entrance door	Sqm	1	2.9		-2.1	-6.1	
		D2	Sqm	6	0.75		-0.1	-0.5	
							Total Quantity	**130.77**	

CONTRACTOR PMC ASSISTANT ENGINEER ASSISTANT EXECUTIVE ENGINEER

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK :CONSTRUCTION OF MARRIAGE COMMUNITY HALL CHIKKABETTAHALLI

MEASUREMENT SHEET - Third Final Bill

Agency — **Sri H.V.Onkarappa Class-1 PWD Contractor,#27,Taralabalu Enclave,Near Police Station,Yelahanka,Bangalore-64**

Measurements / Chainage From	To	Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Remarks
Item No 78		Providing and fixing in position anodized aluminium windows and ventilators as per approved drawings with sliding shutters using double track window frame section of size 61.85x31.75mm with 1.2mm thick, bottom section weight 0.695 kg/m, sides and top sections 1.3 mm. thick weight 0.659 kg/m; and shutter comprising top and bottom section of size 40mmx18mm, 1.25mm thick 0.417 kg./m; shutter outer side 40mm x 18mm, 1.25mm thick weight 0.417 kg/m, shutter interlock section 40mmx26.7mm, 1.1mm thick, weight 0.469 kg/m. the shutters mounted on nylon rollers with approved quality of fixtures such as aluminium handles tower bolts etc. and providing and fixing 5.5mm. thick plain glass for shutters fitted with rubber beading aluminium sections anodised 12 to 15 microns, including cutting to required length, joints mitred subdividing the frame tenonned and rivetted in the assembled frame stiffened with end clips at corners angles etc., and fixed to the walls, lintels, floor beams/cills as the case may be with necessary steels crews, raul plugs, or teak wood gatties including cutting masonry or concrete and making good the original surface using cement mortar, aluminium sections pretreated for removal of any rust and coated with greasy for non adhesion of mortor and other sticky materials: (this coating should be cleaned after installation) including cost of materials, labour charges, HOM of machineries complete as per specifications. Ground floor								
		Ground Floor							
		Window							
		W	Sqm	10	1.63		1.72	28.04	
		W1	Sqm	3	1.10		1.63	5.38	
							Total Quantity	**33.42**	
Item No 79		Providing and fixing in position anodized aluminium windows and ventilators as per approved drawings with sliding shutters using double track window frame section of size 61.85x31.75mm with 1.2mm thick, bottom section weight 0.695 kg/m, sides and top sections 1.3 mm. thick weight 0.659 kg/m; and shutter comprising top and bottom section of size 40mmx18mm, 1.25mm thick 0.417 kg./m; shutter outer side 40mm x 18mm, 1.25mm thick weight 0.417 kg/m, shutter interlock section 40mmx26.7mm, 1.1mm thick, weight 0.469 kg/m. the shutters mounted on nylon rollers with approved quality of fixtures such as aluminium handles tower bolts etc. and providing and fixing 5.5mm. thick plain glass for shutters fitted with rubber beading aluminium sections anodised 12 to 15 microns, including cutting to required length, joints mitred subdividing the frame tenonned and rivetted in the assembled frame stiffened with end clips at corners angles etc., and fixed to the walls, lintels, floor beams/cills as the case may be with necessary steels crews, raul plugs, or teak wood gatties including cutting masonry or concrete and making good the original surface using cement mortar, aluminium sections pretreated for removal of any rust and coated with greasy for non adhesion of mortor and other sticky materials: (this coating should be cleaned after installation) including cost of materials, labour charges, HOM of machineries complete as per specifications. First floor								
		First Floor							
		Window	Sqm	15	1.63		1.72	42.05	
							Total Quantity	**42.05**	
Item No 93		Providing 18 mm thick Cement Plaster in single coat with cement mortar 1:6, to brick masonry Iincluding rounding off corners wherever require smooth rendering, : Providing aand removing scaffolding, including cost of materials, labour, curing complete as per specifications.Extra for providing and mixing waterproofing compound in cement plaster work at one kg per bag or in the proportion recommended by the manufacturers, for cement mortar 1:4, 18mm thick cost of materials complete as per specifications. Ground floor							

13/2

12/2

09/1/19

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK :CONSTRUCTION OF MARRIAGE COMMUNITY HALL CHIKKABETTAHALLI

MEASUREMENT SHEET - Third Final Bill

Agency	Sri H.V.Onkarappa Class-1 PWD Contractor,#27,Taralabalu Enclave,Near Police Station,Yelahanka,Bangalore-64

Measurements		Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Remarks
Chainage									
From	To								
		External Plastering							
		Ground floor							
		North and Southernside wall	Sqm	2	21.05		3	126.3	
		Eastern and western side wall	Sqm	2	15		3	90	
		Colum projection	Sqm	14	0.3		3	12.6	
		Deduction							
		W	Sqm	11	1.8		-1.6	-15.84	
				(11*1.8*1.6)/2=15.84					
		W1	Sqm	4	1.2		-1.6	-3.84	
				(4*1.2*1.6)/2=3.84					
		V	Sqm	8	0.6		-0.6	-1.44	
				(8*0.6*0.6)/2=1.44					
		MD	Sqm	1	2		-2.8	-5.6	
		D1	Sqm	1	0.9		-2.1	-1.89	
							Total Quantity	**200.29**	

Item No 94	Providing 18 mm thick Cement Plaster in single coat with cement mortar 1:6, to brick masonry Iincluding rounding off corners wherever require smooth rendering, : Providing aand removing scaffolding, including cost of materials, labour, curing complete as per specifications.Extra for providing and mixing waterproofing compound in cement plaster work at one kg per bag or in the proportion recommended by the manufacturers, for cement mortar 1:4, 18mm thick cost of materials complete as per specifications. First floor

		External Plastering							
		First floor							
		North and Southernside wall	Sqm	2	21.05		3	126.3	
		Eastern and western side wall	Sqm	2	15		3	90	
		Colum projection	Sqm	14	0.3		3	12.6	
		Deduction							
		W	Sqm	13	1.8		-1.6	-18.72	
				(13*1.8*1.6)/2=18.72					
		W1	Sqm	1	1.72		-1.2	-1.032	
				(1*1.72*1.2)/2=1.032					
		W1	Sqm	2	1.2		-1.6	-1.92	
				(2*1.2*1.6)/2=1.92					
		V	Sqm	4	0.6		-0.6	-0.72	
				(4*0.6*0.6)/2=0.72					
		MD	Sqm	1	2		-2.8	-5.6	
							Total Quantity	**200.908**	

Item No 95	Providing 18 mm thick Cement Plaster in single coat with cement mortar 1:6, to brick masonry Iincluding rounding off corners wherever require smooth rendering, : Providing aand removing scaffolding, including cost of materials, labour, curing complete as per specifications.Extra for providing and mixing waterproofing compound in cement plaster work at one kg per bag or in the proportion recommended by the manufacturers, for cement mortar 1:4, 18mm thick cost of materials complete as per specifications. Second floor

		External Plastering							

CONTRACTOR

PMC

ASSISTANT ENGINEER

ASSISTANT EXECUTIVE ENGINEER

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK :CONSTRUCTION OF MARRIAGE COMMUNITY HALL CHIKKABETTAHALLI

MEASUREMENT SHEET - Third Final Bill

Agency — **Sri H.V.Onkarappa Class-1 PWD Contractor,#27,Taralabalu Enclave,Near Police Station,Yelahanka,Bangalore-64**

Measurements		Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Remarks
Chainage									
From	To								
		Second floor							
		North and Southernside wall	Sqm	2	21.05		3	126.3	
		Eastern and western side wall	Sqm	2	19		3	114	
		Deduction							
		W	Sqm	10	1.8		-1.6	-14.4	
					(10*1.8*1.6)/2=14.4				
		W1	Sqm	4	1.2		-1.6	-3.84	
					(4*1.2*1.6)/2=3.84				
		V	Sqm	9	0.6		-0.6	-1.62	
					(9*0.6*0.6)/2=1.62				
							Total Quantity	**220.44**	
Item No 96		Providing 18 mm thick Cement Plaster in single coat with cement mortar 1:6, to brick masonry Iincluding rounding off corners wherever require smooth rendering, : Providing aand removing scaffolding, including cost of materials, labour, curing complete as per specifications.Extra for providing and mixing waterproofing compound in cement plaster work at one kg per bag or in the proportion recommended by the manufacturers, for cement mortar 1:4, 18mm thick cost of materials complete as per specifications.Parapet wall							
		Parapet wall	Sqm	2	36.05		1.3	93.7	
							Total Quantity	**93.7**	
Item No 97		Providing 15mm thick cement plaster in single coat with cement mortar 1:6, to brick masonry including rounding off corners wherever required smooth rendering, Providing and removing scaffolding, including cost of materials, labour, curing etc. complete as per specifications. ,Ground floor							
		Internal Plastering							
		Ground Floor							
		Kitchen	Sqm	1	31.20		0.90	28.08	
		Gas bank	Sqm	1	9.20		0.90	8.28	
		Store Room	Sqm	1	11.8		0.90	10.62	
		Dinning Hall	Sqm	1	45.73		0.90	41.157	
		Lobby	Sqm	1	13.70		0.90	12.33	
		Column	Sqm	4	1.30		0.90	4.68	
							Total Quantity	**105.15**	
Item No 98		Providing 15mm thick cement plaster in single coat with cement mortar 1:6, to brick masonry including rounding off corners wherever required smooth rendering, Providing and removing scaffolding, including cost of materials, labour, curing etc. complete as per specifications. ,First Floor							
		Internal Plastering							
		First Floor							
		Lobby	Sqm	1	31.20		0.90	28.08	
		Office	Sqm	1	14.90		0.90	13.41	
		Hall	Sqm	1	32.30		0.90	29.07	
		Room	Sqm	2	12.20		0.90	21.96	
		Stage	Sqm	1	25.52		0.90	22.97	
		Column	Sqm	2	1.30		0.90	2.34	
			Sqm	2	0.60		0.90	1.08	
							Total Quantity	**118.91**	

CONTRACTOR PMC ASSISTANT ENGINEER ASSISTANT EXECUTIVE ENGINEER

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK :CONSTRUCTION OF MARRIAGE COMMUNITY HALL CHIKKABETTAHALLI

MEASUREMENT SHEET - Third Final Bill

Agency — **Sri H.V.Onkarappa Class-1 PWD Contractor,#27,Taralabalu Enclave,Near Police Station,Yelahanka,Bangalore-64**

Measurements		Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Remarks
Chainage									
From	To								
Item No 99		Providing 15mm thick cement plaster in single coat with cement mortar 1:6, to brick masonry including rounding off corners wherever required smooth rendering, Providing and removing scaffolding, including cost of materials, labour, curing etc. complete as per specifications. ,Second Floor							
		Internal Plastering							
		Second Floor							
		Hall	Sqm	1	50.90		0.90	45.81	
		stage	Sqm	1	15.75		3.00	47.25	
		Room	Sqm	2	15.50		3.00	93.00	
		Room	Sqm	3	18.20		3.00	163.80	
		Room	Sqm	1	19.8		3.00	59.40	
		Room	Sqm	1	12.8		3.00	38.40	
		column	Sqm	6	1.3		0.90	7.02	
		Deduction							
		W	Sqm	10	1.8		-1.6	-28.80	
		D1	Sqm	7	0.9		-2.1	-13.23	
							Total Quantity	**412.65**	
Item No 101		Providing 12mm thick cement plaster in single coat with cement mortar 1:3, to ceiling including rounding off corners wherever required smooth rendering, including providing and removing scaffolding, cost of materials, labour, curing etc. complete as per specification. ,Ground floor roof							
		Celing							
		Ground Floor Roof	Sqm	1	20.7	14.6		302.22	
		Chajjas							
		ground floor							
		W	Sqm	11	2.10	0.60		13.86	
		Front	Sqm	11	2.10		0.10	2.31	
		Side	Sqm	22	0.60		0.10	1.32	
		W1	Sqm	4	1.50	0.60		3.60	
		Front	Sqm	4	1.50		0.10	0.60	
		Side	Sqm	8	0.60		0.10	0.48	
		V	Sqm	8	0.90	0.60		4.32	
		Front	Sqm	8	0.90		0.10	0.72	
		Side	Sqm	16	0.60		0.10	0.96	
		Deduction							
		Staircase	Sqm	1	3.10	-3.05		-9.46	
							Total Quantity	**320.94**	
Item No 102		Providing 12mm thick cement plaster in single coat with cement mortar 1:3, to ceiling including rounding off corners wherever required smooth rendering, including providing and removing scaffolding, cost of materials, labour, curing etc. complete as per specification. ,First floor roof							
		Celing							
		First Floor Roof							
			Sqm	2	16.15	3.1		100.13	
		Lobby	Sqm	1	14.60	4.3		62.78	
		Chajjas							
		W	Sqm	4	2.10	0.60		5.04	
		Front	Sqm	4	2.10		0.10	0.84	

CONTRACTOR PMC ASSISTANT ENGINEER ASSISTANT EXECUTIVE ENGINEER

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK :CONSTRUCTION OF MARRIAGE COMMUNITY HALL CHIKKABETTAHALLI

MEASUREMENT SHEET - Third Final Bill

Agency — **Sri H.V.Onkarappa Class-1 PWD Contractor,#27,Taralabalu Enclave,Near Police Station,Yelahanka,Bangalore-64**

Measurements Chainage From	To	Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Remarks
		Sides	Sqm	8	0.60		0.10	0.48	
		V	Sqm	4	0.90	0.60		2.16	
		Front	Sqm	4	0.90		0.10	0.36	
		Sides	Sqm	8	0.60		0.10	0.48	
		Deduction							
		Staircase	Sqm	1	3.10	-3.05		-9.46	
							Total Quantity	**162.82**	
Item No 103		Providing 12mm thick cement plaster in single coat with cement mortar 1:3, to ceiling including rounding off corners wherever required smooth rendering, including providing and removing scaffolding, cost of materials, labour, curing etc. complete as per specification. , second floor							
		Second Floor Roof	Sqm	1	20.7	14.6		302.22	
		Chajjas							
		W	Sqm	9	2.10	0.60		11.34	
		Front	Sqm	9	2.10		0.10	1.89	
		Sides	Sqm	18	0.60		0.10	1.08	
		W'	Sqm	1	3.05	0.60		1.83	
		Front	Sqm	1	3.05		0.10	0.31	
		Sides	Sqm	2	0.60		0.10	0.12	
		W1	Sqm	2	1.50	0.60		1.80	
		Front	Sqm	2	1.50		0.10	0.30	
		Sides	Sqm	4	0.60		0.10	0.24	
		V	Sqm	9	0.90	0.60		4.86	
		Front	Sqm	9	0.90		0.10	0.81	
		Sides	Sqm	18	0.60		0.10	1.08	
		Deduction							
		Staircase	Sqm	1	3.10	-3.05		-9.46	
							Total Quantity	**318.43**	
Item No 117		Providing and fixing Stainless steel 304 grade for staircase railings, balconies, ramps, with hand rail, 50 mm dia 16 guage hallow pipe welded to vertical hallow 50mm dia pipe of 16 guage, stainless steel vertical pipe spaced at 1.20m regular intervals, and 5 Nos of 25mm dia. Stainless steel hollow horizontal pipe are welded to vertical 50mm dia hollow pipe. The entire assembly is fixed to staircase concrete by using expansion bolts by drilling concrete etc., complete including cost of materials, labour HOM of machineries and electrical charges etc complete as per specifications.Ground floor							
		Staircase Railings	**sqm**	**1**	**5.50**		**1.00**	**5.50**	
							Total Quantity	**5.50**	
Item No 118		Providing and fixing Stainless steel 304 grade for staircase railings, balconies, ramps, with hand rail, 50 mm dia 16 guage hallow pipe welded to vertical hallow 50mm dia pipe of 16 guage, stainless steel vertical pipe spaced at 1.20m regular intervals, and 5 Nos of 25mm dia. Stainless steel hollow horizontal pipe are welded to vertical 50mm dia hollow pipe. The entire assembly is fixed to staircase concrete by using expansion bolts by drilling concrete etc., complete including cost of materials, labour HOM of machineries and electrical charges etc complete as per specifications.First floor							
		Staircase Railings	**sqm**	**1**	**5.50**		**1.00**	**5.50**	
							Total Quantity	**5.50**	

CONTRACTOR PMC ASSISTANT ENGINEER ASSISTANT EXECUTIVE ENGINEER

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK :CONSTRUCTION OF MARRIAGE COMMUNITY HALL CHIKKABETTAHALLI

MEASUREMENT SHEET - Third Final Bill

Agency	Sri H.V.Onkarappa Class-1 PWD Contractor,#27,Taralabalu Enclave,Near Police Station,Yelahanka,Bangalore-64

Measurements		Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Remarks
Chainage									
From	To								
Item No 119		Providing and fixing Stainless steel 304 grade for staircase railings, balconies, ramps, with hand rail, 50 mm dia 16 guage hallow pipe welded to vertical hallow 50mm dia pipe of 16 guage, stainless steel vertical pipe spaced at 1.20m regular intervals, and 5 Nos of 25mm dia. Stainless steel hollow horizontal pipe are welded to vertical 50mm dia hollow pipe. The entire assembly is fixed to staircase concrete by using expansion bolts by drilling concrete etc., complete including cost of materials, labour HOM of machineries and electrical charges etc complete as per specifications.second floor							
		Second Floor corridor railings	**Sqm**	**1**	**3.95**		**1.00**	**3.95**	
				2	**5.30**		**1.00**	**10.60**	
				1	**8.15**		**1.00**	**8.15**	
				1	**5.15**		**1.00**	**5.15**	
				1	**1.80**		**1.00**	**1.80**	
		Staircase Railings	**sqm**	**1**	**5.50**		**1.00**	**5.50**	
							Total Quantity	**35.15**	
Item No 121		Providing and laying integral cement based waterproofing treatment including preparation of surface as required treatment of roofs, balconies, terraces etc., consisting following application. (a) Applying and grouting a slurry coat of neat cement using 2.75 kg/sqm of cement admixed with proprietary water proofing compound confirming to IS:2645 over the RCC slab after cleaning the surface before treatment. (b) Laying cement concrete using broken brick bats 25mm to 100mm size with 50% cement mortar 1:5 admixed with proprietary water proofing compound confirming IS:2645 over 20mm thick layer of cement mortar 1:5 admixed with proprietary water proofing compound to required slope and treating similarly the adjoining walls upto 300mm height incluing rounding off junctions of walls and slabs. (c) After two days of proper curing, applying a second coat of cement slurry admixed with proprietary water proofing compound. (d) Finishing the surface with 20mm thick joint less cement mortar of mix 1:4 admixed with proprietary water proofing compound and finally finishing the surface with trowel and neat cement slurry and making of 300x300mm square. (e) The whole terrace so finished shall be flodded with water for a minimum period of two weeks for curing and for final test including cost of all materials, labour complete as per specifications.							
		Terrace floor	sqm	1	21.05	19		399.95	
		Entrance portico Slab	sqm	1	3.8	5.5		20.9	
		Deduction							
		Staircase room	Sqm	1	3.75	-6.2		-23.25	
							Total Quantity	**397.6**	
Item No 158		Electrical Work: Open Conduit System Supplying heavy gauge PVC conduit pipe …….dia ..... mm thick confirming to IS 2509 with suitable size bends, junction boxes, adhesive paste etc., and fixing using inverted wood plugs in case of RCC ceiling and RCC wall / stone structure or rawl plugs in case of brick walls and cement plastering the damaged portion using heavy gauge saddles at an interval of 700mm using NF screws.(Page No. 2, Item No.1.1.1 & 1.1.2) a) 19/20mm dia 2mm thick							
			m	1	1109			1109	
							Total Quantity	**1109**	

13/2

11/2

3/2

2/2

CONTRACTOR PMC ASSISTANT ENGINEER ASSISTANT EXECUTIVE ENGINEER

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK :CONSTRUCTION OF MARRIAGE COMMUNITY HALL CHIKKABETTAHALLI

MEASUREMENT SHEET - Third Final Bill

Agency	Sri H.V.Onkarappa Class-1 PWD Contractor,#27,Taralabalu Enclave,Near Police Station,Yelahanka,Bangalore-64

Measurements		Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Remarks
Chainage									
From	To								
Item No 162		Groove Cutting : Supplying heavy guage PVC conduit pipe ...mm dia ...mm thick with suitable size bends, Metal/PVCjunction boxes, adhesive paste etc, by groove cutting in wall and fixing by using U or J hooks and cement plastering up to the wall surface and run with 18SWG GI fish wire through out the conduit where ever necessary. a) 19/20mm dia 2mm thick							
			m	1	1109			1109	
							Total Quantity	**1109**	
E8		KSRB15-5.2 : Providing rough cement **plastering 15mm thick** in single coat with cement mortar 1:6 to brick masonry for base of dadooing works with sand of approved quality, providing and removing scaffolding, inclding cost of materials, labour, curing complete as per specifications , Pg.No-115, Item No-15.31, Ground Floor							
		Wall Cladding							
		Ground Floor							
		Kitchen	Sqm	1	31.20		2.10	65.52	
		Gas bank	Sqm	1	9.20		2.10	19.32	
		Store Room	Sqm	1	11.8		2.10	24.78	
		Dinning Hall	Sqm	1	45.73		2.10	96.033	
		Lobby	Sqm	1	13.70		2.10	28.77	
		Staircase down	Sqm	1	2.40		2.00	4.8	
			Sqm	1	6.2		1.10	6.82	
		Door Jamb	Sqm	11	0.25		2.10	5.775	
		Window Jamb	Sqm						
		W	Sqm	20	0.15		1.63	4.89	
		W	Sqm	10	0.15		1.720	2.58	
		W1	Sqm	8	0.15		1.630	1.956	
		W1	Sqm	4	0.15		1.100	0.66	
		COLUMN	Sqm	8	0.33		2.100	5.544	
			Sqm	8	0.71		2.100	11.928	
		Staircase	Sqm	1	10.10		2.100	21.21	
		Deduction							
		D	Sqm	1	2.00		-2.100	-4.2	
		D1	Sqm	1	1.73		-2.100	-3.633	
		D2	Sqm	1	2.18		-2.100	-4.578	
		D3	Sqm	2	0.90		-2.100	-3.78	
		W	Sqm	10	1.72		-1.630	-28.036	
		W1	Sqm	4	1.10		-1.630	-7.172	
							Total	**249.2**	
E9		KSRB15-5.2 : Providing rough cement **plastering 15mm thick** in single coat with cement mortar 1:6 to brick masonry for base of dadooing works with sand of approved quality, providing and removing scaffolding, inclding cost of materials, labour, curing complete as per specifications , Pg.No-115, Item No-15.31, First Floor							
		Wall Cladding							
		First Floor							
		Lobby	Sqm	1	31.20		2.10	65.52	
		Office	Sqm	1	14.90		2.10	31.29	
		Hall	Sqm	1	32.30		2.10	67.83	
		Room	Sqm	2	12.20		2.10	51.24	
		Stage	Sqm	1	25.52		2.10	53.59	
		Column	Sqm	6	0.71		2.1	8.95	
			Sqm	6	0.33		2.1	4.16	

CONTRACTOR PMC ASSISTANT ENGINEER ASSISTANT EXECUTIVE ENGINEER

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK :CONSTRUCTION OF MARRIAGE COMMUNITY HALL CHIKKABETTAHALLI

MEASUREMENT SHEET - Third Final Bill

Agency — **Sri H.V.Onkarappa Class-1 PWD Contractor,#27,Taralabalu Enclave,Near Police Station,Yelahanka,Bangalore-64**

Measurements		Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Remarks
Chainage									
From	To								
		Entance Door Jamb	Sqm	2	0.30		2.10	1.26	
		Door jamb	Sqm	6	0.25		2.10	3.15	
		Window Jamb	Sqm	30	0.15		1.63	7.34	
		Window Jamb	Sqm	15	0.15		1.72	3.87	
		Staircase	Sqm	1	10.10		2.10	21.21	
		Skirting							
		Stage	Sqm	1	8.20		0.30	2.46	
		Deduction							
		W	Sqm	15	1.72		-1.63	-42.05	
		D	Sqm	3	0.90		-2.10	-5.67	
		D	Sqm	2	0.70		-2.10	-2.94	
		Entrance Door	Sqm	1	1.95		-2.10	-4.10	
							Total	**267.10**	
E10		KSRB15-5.2 : Providing rough cement **plastering 15mm thick** in single coat with cement mortar 1:6 to brick masonry for base of dadooing works with sand of approved quality, providing and removing scaffolding, inclding cost of materials, labour, curing complete as per specifications , Pg.No-115, Item No-15.31, Second Floor							
		Wall Cladding							
		Second Floor							
		Hall	Sqm	1	50.90		2.10	106.89	
		Column	Sqm	10	0.33		2.1	6.93	
			Sqm	10	0.77		2.1	16.17	
		Door Jamb	Sqm	**1**	**0.25**		2.1	0.53	
		Window Jamb	Sqm	4	1.63		0.15	0.98	
			Sqm	4	1.72		0.15	1.03	
		Staircase	Sqm	1	10.1		2.1	21.2	
		Skirting							
		Room	Sqm	2	12.80		0.10	2.6	
		Room	Sqm	3	15.50		0.10	4.7	
		Room	Sqm	1	15.1		0.10	1.5	
		Room	Sqm	1	12.8				
		Corridor	Sqm	1	5.7		0.1	0.6	
		Deduction							
		D	Sqm	6	0.9		-2.1	-11.3	
		Window	Sqm	2	1.73		-1.63	-5.6	
		Entrance door	Sqm	1	2.9		-2.1	-6.1	
							Total	**140.0**	
E11		KSRB 4-7 : Providing 2 legged scaffolding for stone masonry work using 10-15 cms. dia best quality casurina poles of 4m over all length (3m +0.5m projection + 0.5m In to the ground), the distance between two rows being 1.25m and spacing of posts being 2m in both rows with 2 horizontal posts with 0.5 mm overlap on either side and braces at 2 m c to c including longitudinal and transveres middle braces to step up and providing platform with casurina poles, forms tied up using coir rope complete as per specifications. - Scaffolding for stone masonry work converted to cum.							
		Scaffolding for First Floor ceiling Plastering (Internal)	cum	1	8.00	16.20	6.00	777.60	

CONTRACTOR PMC ASSISTANT ENGINEER ASSISTANT EXECUTIVE ENGINEER

BRUHAT BANGALORE MAHANAGARA PALIKE									
NAME OF WORK :CONSTRUCTION OF MARRIAGE COMMUNITY HALL CHIKKABETTAHALLI									
MEASUREMENT SHEET - Third Final Bill									
Agency		Sri H.V.Onkarappa Class-1 PWD Contractor,#27,Taralabalu Enclave,Near Police Station,Yelahanka,Bangalore-64							
Measurements		Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Remarks
Chainage									
From	To								
		Scaffolding for First Floor ceiling Plastering (External)	cum	2	21.05	2.10	6.00	530.46	
							Grand Total		

CONTRACTOR PMC ASSISTANT ENGINEER ASSISTANT EXECUTIVE ENGINEER